

Covid-19 Health Metrics

September 30, 2021

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MA State Data



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Higher Ed & LTCF

Patient Breakdown

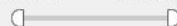
City & Town Data

Resources

Data Archive

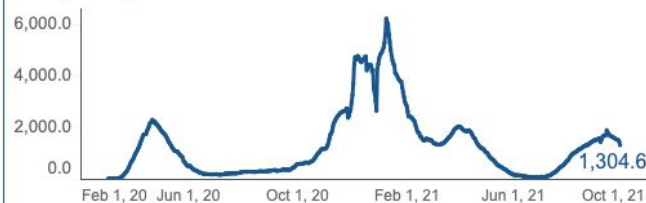
Select dates:

3/1/2020 9/28/2021



Cases

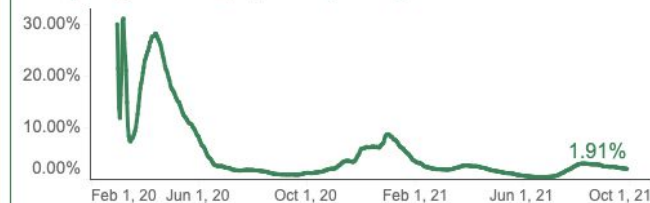
7-day average of COVID-19 confirmed cases



The lowest observed value was 64.0 on 6/25/2021.

Testing

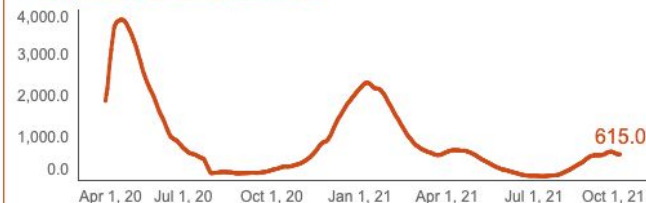
7-day weighted average percent positivity



The lowest observed value was 0.31% on 6/25/2021.

Hospitalizations

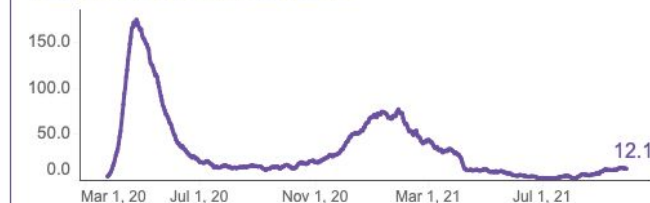
7-day average of hospitalizations



The lowest observed value was 84.8 on 7/9/2021.

Deaths

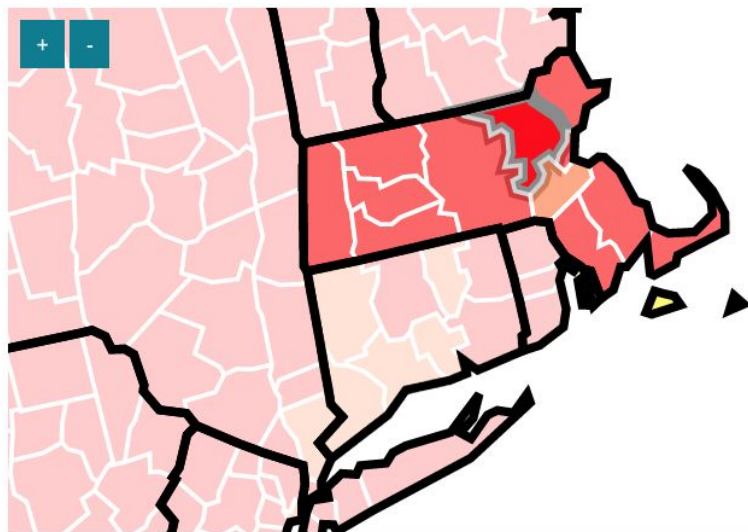
7-day average of confirmed deaths



The lowest observed value was 1.3 on 7/11/2021.

The lowest observed value is since tracking of the lowest value began on April 15, 2020. For details on the definitions of each indicator please see the corresponding tab for that indicator. All data included in this dashboard are preliminary and subject to change. Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences and the Registry of Vital Records and Statistics; Created by the Massachusetts Department of Public Health, Bureau of Infectious Disease and Laboratory Sciences, Office of Integrated Surveillance and Informatics Services.

CDC Community Transmission Rates



Middlesex County

Case Rate last 7 days = 117.2 per 100k (stable)

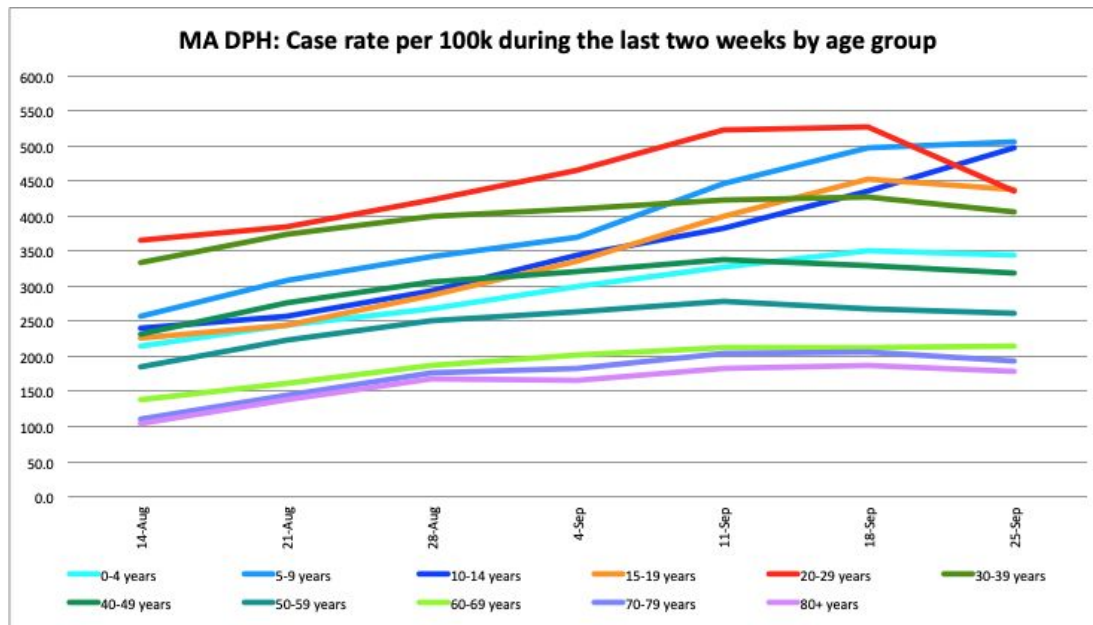
Percent Positivity = 1.2% (stable)

● High ● Substantial ● Moderate ● Low ● No Data

Current 7-days is Thu Sep 23 2021 - Wed Sep 29 2021 for case rate and Mon Sep 20 2021 - Sun Sep 26 2021 for percent positivity. The percent change in counties at each level of transmission is the absolute change compared to the previous 7-day period.

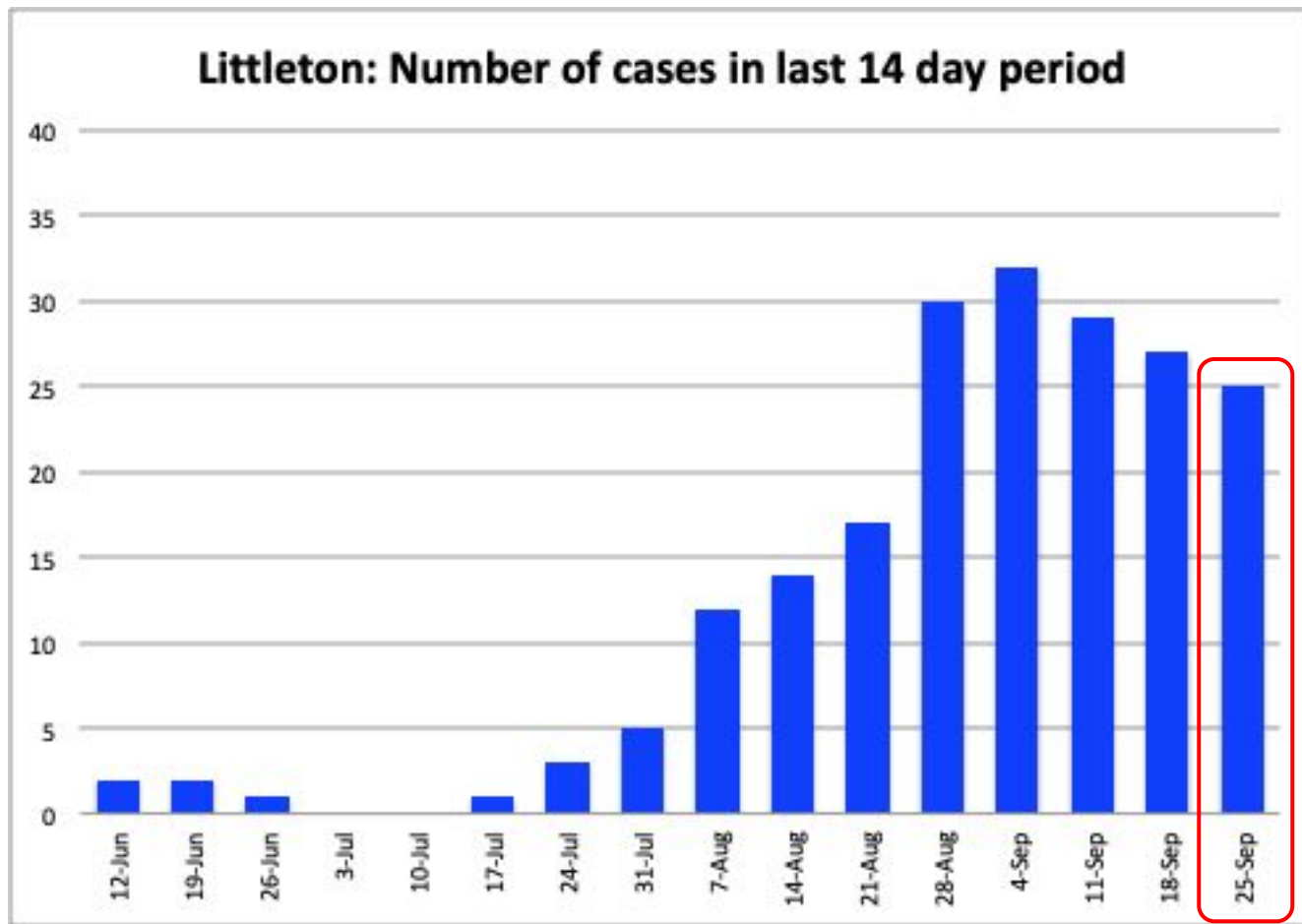
Covid Case Rate per 100k by age group - last 6 weeks

Change in rates over 1 month of data			
Age Group	9/16 Report (8/29-9/11)	9/30 Report (9/12-9/25)	Trend
0-4	326.6	345.0	+18
5-9	445.2	506.7	+62
10-14	382.8	497.0	+114
15-19	399.9	436.9	+37
20-29	523.7	435.8	-88
30-39	423.1	406.7	-16
40-49	338.3	318.8	-20
50-59	277.9	261.7	-16
60-69	213.1	215.3	+2
70-79	204.9	193.5	-11
80+	182.0	178.6	-3



Data Source: MA DPH Covid Dashboard
www.mass.gov/info-details/covid-19-response-reporting (Patient Breakdown) -
 accessed 9/30/21

Littleton Data



Data Source: MA DPH Covid Dashboard - www.mass.gov/info-details/covid-19-response-reporting (City and Town Data) - accessed 9/30/21

Littleton and Local Trends - Methods

Town Groupings:

- **Littleton**
- **Border Towns** - Littleton plus Acton, Ayer, Boxborough, Groton, Harvard, Westford
- **Surrounding Communities** - Border Towns plus, Bolton, Carlisle, Chelmsford, Concord, Dunstable, Lancaster, Lunenburg, Maynard, Pepperell, Shirley, Stow
- **495 Belt** - Surrounding Communities plus Ashby, Bedford, Berlin, Boylston, Clinton, Hudson, Leominster, Lincoln, Lowell, Marlborough, Northborough, Shrewsbury, Southborough, Sterling, Sudbury, Townsend, Tyngsboro, Wayland, West Boylston, Westborough, Weston
- **Middlesex County**
- **Massachusetts**

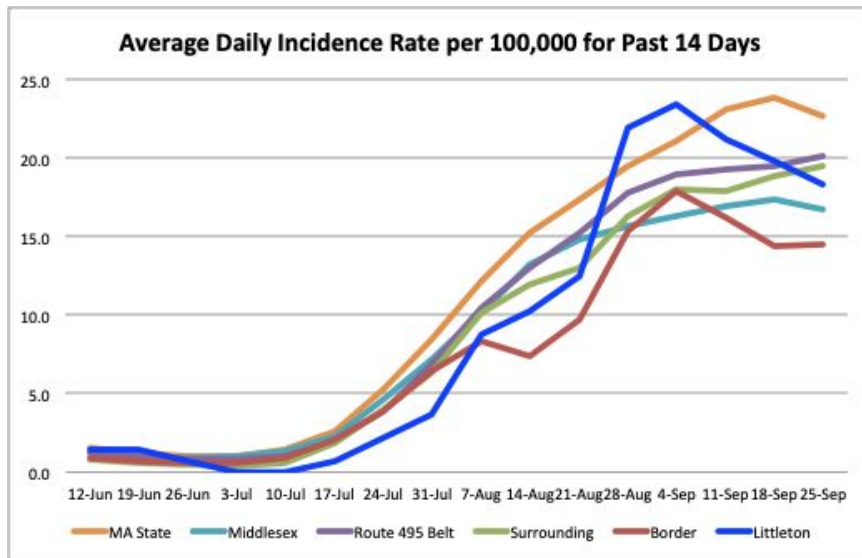
Data Source and Time Period:

- MA DPH Covid Dashboard - www.mass.gov/info-details/covid-19-response-reporting, City and Town Data
- Two week period (Sunday to Saturday) ending the Saturday before the DPH report is released on Thursdays

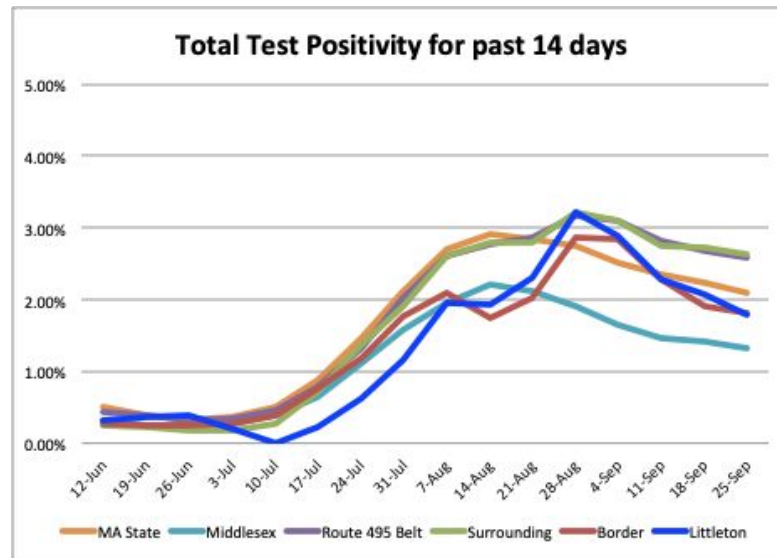
Calculations:

- **Average Daily Incidence Rate** = ((total cases in two week period / 14 days) / population)*100,000
- **Test Positivity** = total positive tests in last two week period / total tests conducted in last two week period

Littleton and surrounding area - trends

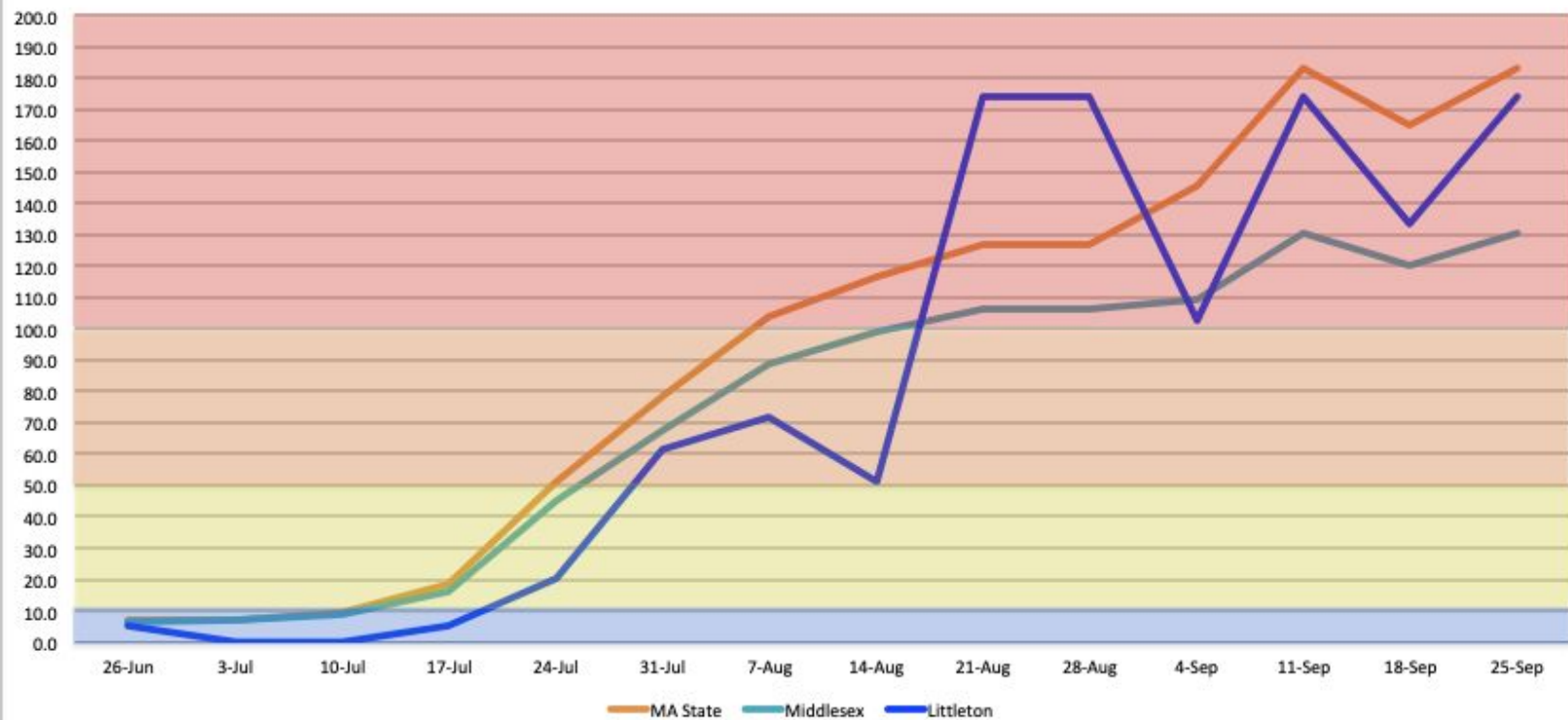


- Littleton's average daily incidence rate was 18.3 per 100k (lower than 2 weeks ago)
- All areas we track have stabilized or declined over last two weeks

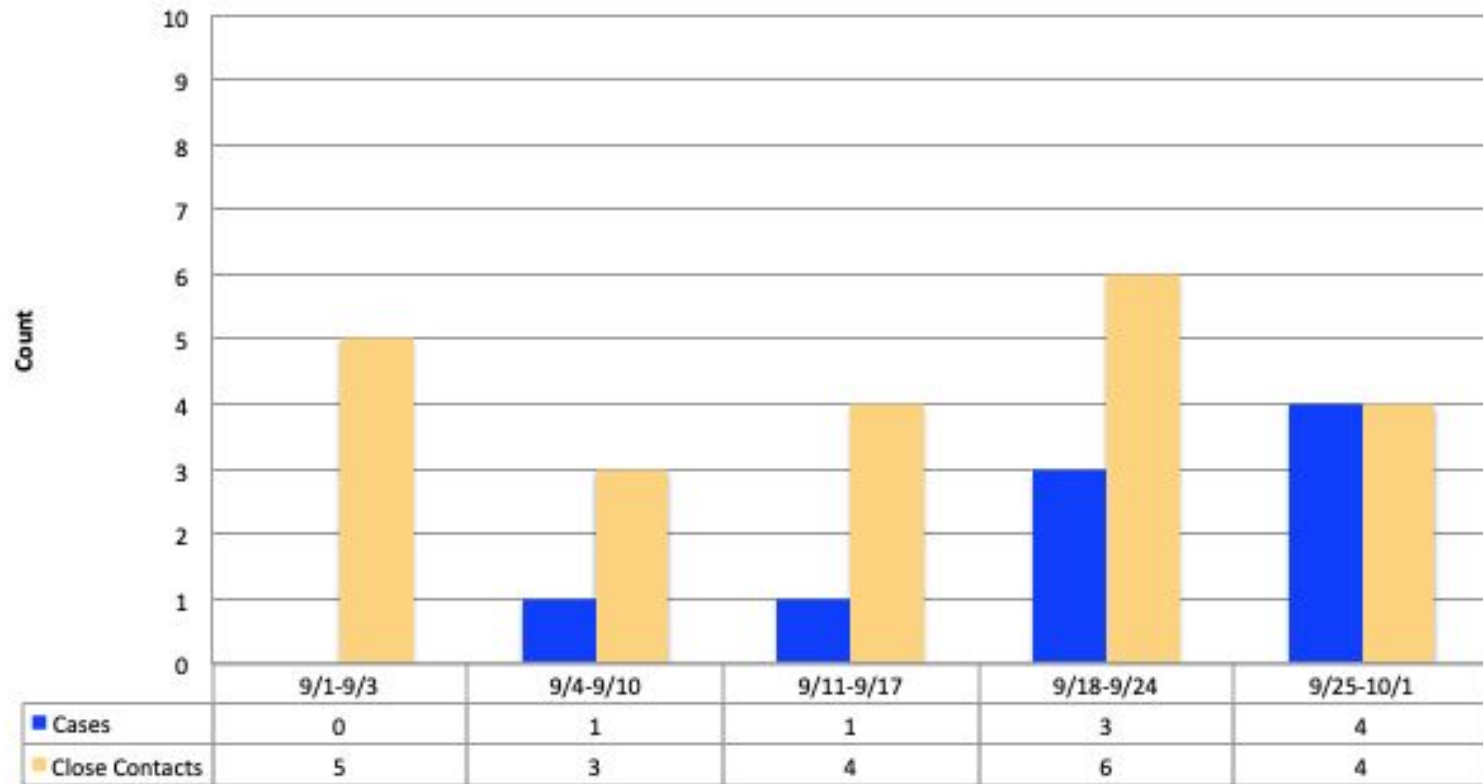


- Littleton had 1392 tests conducted (20% higher than prior 2 week reporting period)
- Littleton's test positivity = 1.80% (decrease)
- Test positivity was <3% for all areas we track

CDC Community Transmission Indicator: Total new cases per 100k persons in the past 7 days



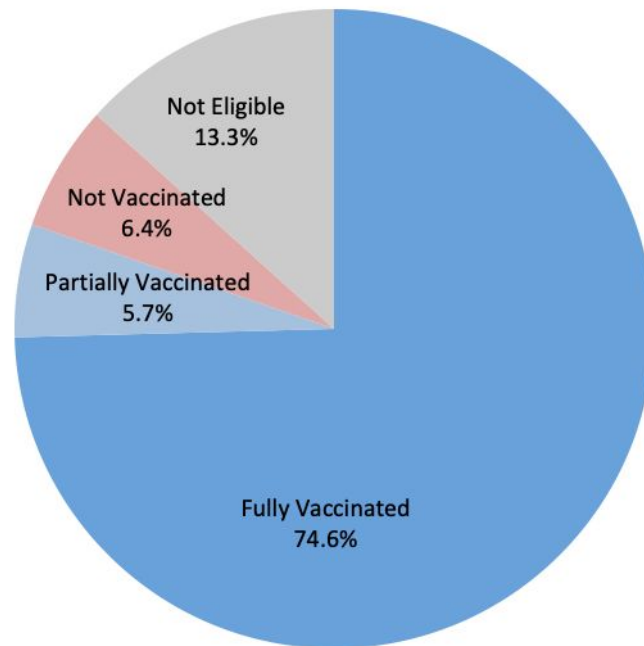
LPS Covid-19 Dashboard Data by Week



Data Sources: [Littleton Public Schools Covid-19 Dashboard](#) and LPS Health Notification Letters sent to parents as of 10/1/21

Littleton's Vaccination Coverage

Age Group	Fully Vaccinated	Partially Vaccinated	Not Vaccinated
0-11	Not eligible	Not eligible	1301 (100%)
12-15	451 (87%)	64 (12%)	3 (1%)
16-19	438 (78%)	33 (6%)	92 (16%)
20-29	795 (88%)	81 (9%)	31 (3%)
30-49	1959 (89%)	156 (7%)	87 (4%)
50-64	2129 (86%)	105 (4%)	254 (10%)
65-74	939 (94%)	62 (6%)	<1%
75+	565 (72%)	61 (8%)	159 (20%)
Total	7276 (74.6%)	558 (5.7%)	622 eligible (5.7%) 13% not eligible due to age <12 years



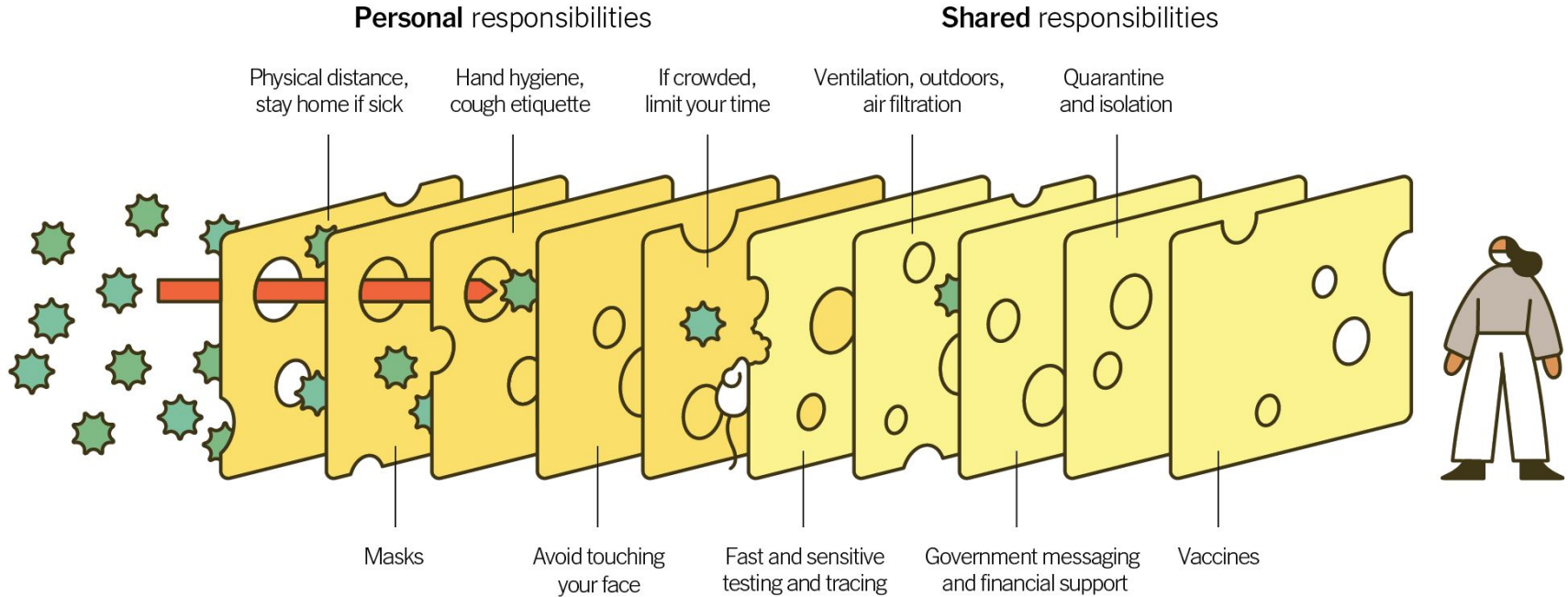
Data Source:

MA DPH Weekly Covid-19 municipality vaccination data - www.mass.gov/info-details/massachusetts-covid-19-vaccination-data-and-updates - accessed 9/30/21

Note: 0-11 data imputed by subtracting total population in 12+ age groups from total population

Multiple Layers Improve Success

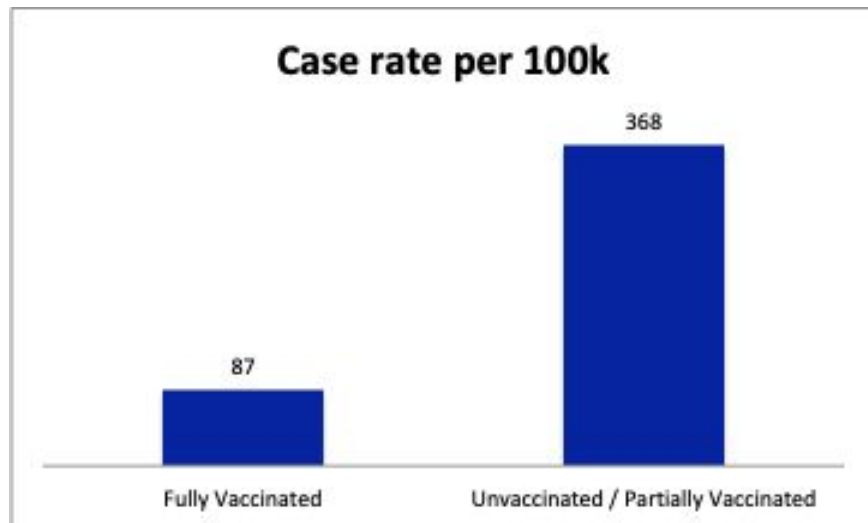
The Swiss Cheese Respiratory Pandemic Defense recognizes that no single intervention is perfect at preventing the spread of the coronavirus. Each intervention (layer) has holes.



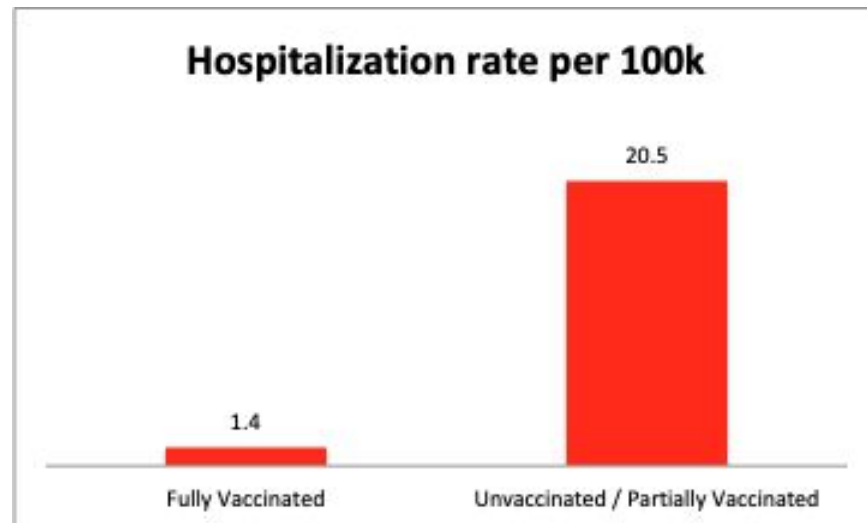
Source: Adapted from Ian M. Mackay (virologydownunder.com) and James T. Reason. Illustration by Rose Wong

Image from: www.nytimes.com/2020/12/05/health/coronavirus-swiss-cheese-infection-mackay.html

Vaccination offers strong protection against Covid-19



Fully vaccinated individuals in MA have 4 times lower risk of infection compared to unvaccinated individuals



Fully vaccinated individuals in MA have 14 times lower risk of hospitalization compared to unvaccinated individuals

The VaxBus is headed to Littleton

The **VACCINE**
SAVES
LIVES



**Our mobile vaccination bus clinic is
arriving soon.**

Climb aboard and get your COVID-19 vaccination.

Date: October 2, 2021

Time: 9:00 am to 5:00 pm

Clinic Location:

LITTLETON FIRE DEPARTMENT
20 FOSTER STREET
LITTLETON, MA 01460

Walk-ins welcome.

**No appointment, ID or health
insurance needed.**

**Pfizer and J&J vaccines
are available.**

